BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:Construction of RCC Drain & RCC Culverts, near OM Circle main roads and surrounding area at Kattigenahalli Village in Ward No.05

BYATARAYANAPURA DIVISION

EMB

1st & Final Bill

BRUHATH BANGALORE MAHANAGARAPALIKE

YELAHANKA ZONE

1ST AND FINAL BILL

Name of Work : Construction of RCC Drain & RCC Culverts, near OM Circle main roads and surro
Kattigenahalli Village in Ward No.05

Work Order No: BBMP / EE/ BTP/ W.O /244/2019-20 dt: 21-03-2020

JOB NUMBER: 005-20-000082

Estimate Cost: 56.00 lakhs.

As No: AS/EE(BTP)/119/2019-20 dt:16-03-20

Ts No :TS/ SE(YNK) /43/2019-20 dt :16-03-20

Name of Contractor : M/S KRIDL

Item No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.										
	Qty Taken from Pre measurement page Item No. 1, page No.1to2							**Cum**	**671.15**	**220.40**	**147920.58**
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.										
	Qty Taken from Pre measurement page Item No. 2, Page No.2to3							**Cum**	**100.82**	**5509.33**	**555425.52**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm 21/07/2020 to 01/08/2020										
	For Bottom raft										
	For RCC drain										
	OM Circle										
	2nd cross from main road										
	LHS	1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	25.50	0.90	0.15	0.15	0.15		3.44		
	RHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	25.50	0.90	0.15	0.15	0.15		3.44		
	3rd cross from main road										
	RHS	1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	23.50	0.90	0.15	0.15	0.15		3.17		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	1.50	0.90	0.15	0.15	0.15		0.20		
		1	18.70	0.90	0.15	0.15	0.15		2.52		
	LHS										
		1	13.00	0.90	0.15	0.15	0.15		1.76		
		1	25.00	0.90	0.15	0.15	0.15		3.38		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	12.00	0.95	0.15	0.15	0.15		1.71		
	Right side Cross road-4 from 3rd cross										
	LHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	24.00	0.95	0.15	0.15	0.15		3.42		
	Left side Cross road-3 from 3rd cross										
	RHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	13.00	0.90	0.15	0.15	0.15		1.76		

73.40

Item No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
	For RCC Culvert										
	RHS Culverts from 3rd cross										
	Culvert at Cross1	1	6.20	1.50	0.20	0.20	0.20		1.86		
	Culvert at Cross2	1	5.20	1.50	0.20	0.20	0.20		1.56		
	Culvert at Cross3	1	7.80	1.50	0.20	0.20	0.20		2.34		
	Culvert at Cross4	1	7.70	1.50	0.20	0.20	0.20		2.31		
		1	5.70	1.50	0.20	0.20	0.20		1.71		
	LHS Culverts from 3rd cross										
	Culvert at Cross1	1	5.60	1.50	0.20	0.20	0.20		1.68		
	Culvert at Cross3	1	6.00	1.50	0.20	0.20	0.20		1.80		
	Doddamma devi temple opposite	1	5.00	1.50	0.20	0.20	0.20		1.50		
	For Wall										
	For RCC drain										
	OM Circle										
	2nd cross from main road										
	LHS	2	30.00	0.15	0.65	0.70	0.68		6.08		
		2	30.00	0.15	0.70	0.65	0.68		6.08		
		2	25.50	0.15	0.60	0.45	0.53		4.02		
	RHS										
		2	30.00	0.15	0.65	0.70	0.68		6.08		
		2	30.00	0.15	0.70	0.70	0.70		6.30		
		2	25.50	0.15	0.65	0.60	0.63		4.78		
	3rd cross from main road										
	RHS	2	30.00	0.15	0.65	0.65	0.65		5.85		
		2	30.00	0.15	0.65	0.70	0.68		6.08		
		2	23.50	0.15	0.70	0.65	0.68		4.76		
		2	30.00	0.15	0.65	0.70	0.68		6.08		
		2	1.50	0.15	0.70	0.70	0.70		0.32		
		2	18.70	0.15	0.70	0.70	0.70		3.93		
	LHS										
		2	13.00	0.15	0.65	0.65	0.65		2.54		
		2	25.00	0.15	0.65	0.65	0.65		4.88		
		2	30.00	0.15	0.65	0.70	0.68		6.08		
		2	12.00	0.15	0.70	0.70	0.70		2.52		
	Right side Cross road-4 from 3rd cross										
	LHS										
		2	30.00	0.15	0.65	0.65	0.65		5.85		
		2	30.00	0.15	0.65	0.65	0.65		5.85		
		2	30.00	0.15	0.65	0.70	0.68		6.08		
		2	24.00	0.15	0.70	0.70	0.70		5.04		
	Left side Cross road-3 from 3rd cross										
	RHS										
		2	30.00	0.15	0.65	0.65	0.65		5.85		
		2	13.00	0.15	0.65	0.65	0.65		2.54		
	For RCC Culvert										
	RHS Culverts from 3rd cross										
	Culvert at Cross1	2	6.20	0.30	0.60	0.60	0.60		2.23		
	Culvert at Cross2	2	5.20	0.45	0.60	0.60	0.60		2.81		
	Culvert at Cross3	2	7.80	0.30	0.60	0.60	0.60		2.81		
	Culvert at Cross4	2	7.70	0.45	0.60	0.60	0.60		4.16		
		2	5.70	0.45	0.60	0.60	0.60		3.08		
	LHS Culverts from 3rd cross										
	Culvert at Cross1	2	5.60	0.45	0.60	0.60	0.60		3.02		
	Culvert at Cross3	2	6.00	0.45	0.60	0.60	0.60		3.24		
	Doddamma devi temple opposite	2	5.00	0.30	0.60	0.60	0.60		1.80		
	Ramp For RCC Culvert										
	RHS Culverts from 3rd cross										
	Culvert at Cross1	2	6.20	0.75	0.15	0.15	0.15		1.40		
	Culvert at Cross2	2	5.20	0.75	0.15	0.15	0.15		1.17		
	Culvert at Cross3	2	7.80	0.75	0.15	0.15	0.15		1.76		

1769.76

Item No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
	Culvert at Cross4	2	8.80	0.75	0.15	0.15	0.15		1.98	3.24	
		2	5.60	0.75	0.15	0.15	0.15		1.26		
								Cum	226.40	7189.42	1627653.73

Assistant Engineer
Ward No.05

Asst. Executive Engineer
Byatarayanapura Sub division

4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications										
	Qty Taken from Pre measurement page Item No.4, Page No.3 to 7							**Tonne**	**15.40**	**72326.98**	**1113835.49**
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)										
	For RCC drain										
	OM Circle										
	2nd cross from main road										
	LHS										
		1	25.00	0.90					22.50		
	RHS										
		1	28.00	0.90					25.20		
		1	30.00	0.90					27.00		
		1	25.50	0.90					22.95		
	3rd cross from main road										
	RHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	23.50	0.90					21.15		
		1	30.00	0.90					27.00		
		1	1.50	0.90					1.35		
		1	18.70	0.90					16.83		
	LHS										
		1	13.00	0.90					11.70		
		1	25.00	0.90					22.50		
		1	30.00	0.90					27.00		
		1	12.00	0.90					10.80		
	Right side Cross road-4 from 3rd cross										
	LHS										
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	24.00	0.90					21.60		
	Left side Cross road-3 from 3rd cross										
	RHS										
		1	30.00	0.90					27.00		
		1	13.00	0.90					11.70		
								Present Qty	**Sqm**	**431.28**	**2337.00**	**1007901.36**
6	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data										
	For RCC Culvert										
	RHS Culverts from 3rd cross										
	Culvert at Cross1	1	6.20	1.50					9.30		

9.30

Item No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
	Culvert at Cross2	1	5.20	1.50					7.80		
	Culvert at Cross3	1	7.80	1.50					11.70		
	Culvert at Cross4	1	7.70	1.50					11.55		
		1	5.70	1.50					8.55		
	LHS Culverts from 3rd cross										
	Culvert at Cross1	1	5.60	1.50					8.40		
	Culvert at Cross3	1	6.00	1.50					9.00		
	Doddamma devi temple	1	5.00	1.50					7.50	64.50	
							Present Qty	**Sqm**	**73.80**		
							Limited to	**Sqm**	**67.77**	**5418.00**	**367177.86**
										Total	**4819914.54**
										GST Charges 12%	**578389.74**
										KRIDL Charges 4%	**192796.58**
										Grand Total	**5591100.87**

25/8/2020

Assistant Engineer
Ward No.05

25/8/2020

Assistant Executive Engineer
Bytarayanapura Sub-Division